GOVERNMENT OF INDIA
ENVIRONMENT AND FORESTS
LOK SABHA

UNSTARRED QUESTION NO:3520
ANSWERED ON:17.04.2000
DROP IN POLLUTION LEVEL
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Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether there is any marked drop in pollution levels in Delhi, with the adoption of Euro-II standard in respect of automobiles and adoption of CNG as fuel in commercial vehicles;

(b) if so, the details thereof and the comparative figures showing the levels of pollution in air at main traffic junctions and industrial area; and

(c) the comparative figures showing presence of such pollutants in Mumbai, Calcutta and Madras?

Answer

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI BABU LAL MARANDI)

(a) and (b): The adoption of Euro-II standards and CNG as fuel in automobiles form a part of the various steps taken, including the upgradation of fuel quality, traffic management, closure of industrial units in non-conforming areas, etc., for protecting and improving the environment in Delhi. According to the Central Pollution Control Board (CPCB), the levels of ambient air quality in Delhi in 1999 have shown improvement compared to 1998 which is as follows.

Annual average of various pollutants in Delhi

	1998					1999				
	SO2 (g/m3)	NO2 (g/m3)	SPM (g/m3)	Parti- culate lead (ng/m3)	Carbon Mono- xide (mg/m3)	SO2 (g/m3)	NO2 (g/m3)	SPM (g/m3)	Parti- culate lead (ng/m3)	Carbon Mono- xide (mg/m3)
Traffic Junction	25.0	63.0	426.0	136.0	5.45	22.0	60.0	418.0	70.0	4.24
Industrial Areas	20.2	34.7	367	105.0	-	19.7	33.7	365.0	65.0	-

According to the CPCB, the ban on plying of buses more than 8 year old and pre-1990autos and taxies from 1st April, 2000,has also resulted in improvement in ambient air quality in Delhi as indicated in the following table:

Ambient air quality data at ITO station, Delhi

Before ban on buses, autos and taxies After ban on buses, autos and taxies.
Parameter (24 hourly)

Date	27.3.2000	28.3.2000	29.3.2000	30.3.2000	31.3.2000....	.....1.4.2000	2.4.2000	3.4.2000	4.4.2000	5.4.2000	6.4.2000
SO2	20	24	26	22	36	20	27	22	17		
NO2	64	72	84	70	86	46	57	53	49		
SPM	466	588	528	470	473	426	349	445	439		
RSPM	222	198	243	209	243	185	223	218	113		

(c): Ambient levels of pollutants in industrial areas of Mumbai, Calcutta and Chennai are given in the following table:

City 1998 1999

	SO2 (g/m3)	NO2 (g/m3)	SPM (g/m3)	SO2 (g/m3)	NO2 (g/m3)	SPM (g/m3)
Mumbai	21.7	24.9	226.0	22.9	45.1	451.0
Calcutta	40.8	34.3	286.0	64.8	37.9	310.0
Madras	13.1	15.7	126.0	8.7	14.0	113.0